

CRF Errors Corrected by the STIC Sys ms Branch

Serial Number: 09/766,535A

CRF Processing Date: 4/17/2002
 Edited by: [Signature]
 Verified by: [Signature] (STIC staff)

ENTERED

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

☐ Deleted extra, invalid, headings used by an applicant, specifically:

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☒ Other: deleted duplicate C1107 and C1207 entries

OIPE

RAW SEQUENCE LISTING

DATE: 01/17/2002

PATENT APPLICATION: US/09/766,535A

TIME: 08:58:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01172002\I766535A.raw

4 <110> APPLICANT: Le, Junming
 5 Vilcek, Jan
 6 Daddona, Peter
 7 Ghrayeb, John
 8 Knight, David M.
 9 Siegel, Scott
 11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
 12 Human Tumor Necrosis Factor
 14 <130> FILE REFERENCE: 0975.1005-010
 C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/766,535A
 17 <141> CURRENT FILING DATE: 2001-01-18
 19 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
 20 <151> PRIOR FILING DATE: 1998-08-12
 22 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
 23 <151> PRIOR FILING DATE: 1995-12-11
 25 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
 26 <151> PRIOR FILING DATE: 1994-10-18
 28 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
 29 <151> PRIOR FILING DATE: 1994-02-04
 31 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
 32 <151> PRIOR FILING DATE: 1994-02-04
 34 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
 35 <151> PRIOR FILING DATE: 1994-02-04
 37 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
 38 <151> PRIOR FILING DATE: 1993-01-29
 40 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
 41 <151> PRIOR FILING DATE: 1993-02-02
 43 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
 44 <151> PRIOR FILING DATE: 1992-09-11
 46 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
 47 <151> PRIOR FILING DATE: 1992-03-18
 49 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
 50 <151> PRIOR FILING DATE: 1991-03-18
 52 <160> NUMBER OF SEQ ID NOS: 19
 54 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 56 <210> SEQ ID NO: 1
 57 <211> LENGTH: 157
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Homo sapiens
 61 <400> SEQUENCE: 1
 62 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
 63 1 5 10 15
 64 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
 65 20 25 30
 66 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
 67 35 40 45
 68 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe

RAW SEQUENCE LISTING

DATE: 01/17/2002

PATENT APPLICATION: US/09/766,535A

TIME: 08:58:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01172002\I766535A.raw

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69      50      55      60
70 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
71 65      70      75      80
72 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
73      85      90      95
74 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
75      100      105      110
76 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
77      115      120      125
78 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
79      130      135      140
80 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
81 145      150      155
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85 <211> LENGTH: 321
86 <212> TYPE: DNA
87 <213> ORGANISM: Mus Balb/c
89 <220> FEATURE:
90 <221> NAME/KEY: CDS
91 <222> LOCATION: (1)...(321)
93 <400> SEQUENCE: 2
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95 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
96 1 5 10 15
98 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96
99 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
100 20 25 30
102 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144
103 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
104 35 40 45
106 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192
107 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
108 50 55 60
110 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240
111 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
112 65 70 75 80
114 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288
115 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
116 85 90 95
118 acg ttc ggc tgc ggg aca aat ttg gaa gta aaa 321
119 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
120 100 105
123 <210> SEQ ID NO: 3
124 <211> LENGTH: 107
125 <212> TYPE: PRT
126 <213> ORGANISM: Mus Balb/c
128 <400> SEQUENCE: 3
129 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
130 1 5 10 15

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RAW SEQUENCE LISTING

DATE: 01/17/2002

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TIME: 08:58:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01172002\I766535A.raw

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131 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
132          20          25          30
133 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
134          35          40          45
135 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
136          50          55          60
137 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
138 65          70          75          80
139 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
140          85          90          95
141 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
142          100          105
145 <210> SEQ ID NO: 4
146 <211> LENGTH: 357
147 <212> TYPE: DNA
148 <213> ORGANISM: Mus Balb/c
150 <220> FEATURE:
151 <221> NAME/KEY: CDS
152 <222> LOCATION: (1)...(357)
154 <400> SEQUENCE: 4
155 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
156 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
157 1          5          10          15
159 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
160 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
161          20          25          30
163 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
164 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
165          35          40          45
167 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
168 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
169          50          55          60
171 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
172 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
173 65          70          75          80
176 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
177 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
178          85          90          95
180 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
181 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
182          100          105          110
184 ggc acc act ctc aca gtc tcc 357
185 Gly Thr Thr Leu Thr Val Ser
186          115
189 <210> SEQ ID NO: 5
190 <211> LENGTH: 119
191 <212> TYPE: PRT
192 <213> ORGANISM: Mus Balb/c
194 <400> SEQUENCE: 5

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RAW SEQUENCE LISTING

DATE: 01/17/2002

PATENT APPLICATION: US/09/766,535A

TIME: 08:58:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01172002\I766535A.raw

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195 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
196 1 5 10 15
197 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
198 20 25 30
199 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
200 35 40 45
201 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
202 50 55 60
203 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
204 65 70 75 80
205 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
206 85 90 95
207 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
208 100 105 110
209 Gly Thr Thr Leu Thr Val Ser
210 115
213 <210> SEQ ID NO: 6
214 <211> LENGTH: 8
215 <212> TYPE: PRT
216 <213> ORGANISM: Homo sapiens
218 <400> SEQUENCE: 6
219 Gly Thr Leu Val Thr Val Ser Ser
220 1 5
223 <210> SEQ ID NO: 7
224 <211> LENGTH: 7
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 7
229 Gly Thr Lys Leu Glu Ile Lys
230 1 5
233 <210> SEQ ID NO: 8
234 <211> LENGTH: 20
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: PCR oligonucleotides
242 <400> SEQUENCE: 8
243 cctggatacc tgtgaaaaga 20
245 <210> SEQ ID NO: 9
246 <211> LENGTH: 27
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: PCR oligonucleotides
254 <400> SEQUENCE: 9
255 cctggtacct tagtcaccgt ctcctca 27
257 <210> SEQ ID NO: 10
258 <211> LENGTH: 27
259 <212> TYPE: DNA

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RAW SEQUENCE LISTING

DATE: 01/17/2002

PATENT APPLICATION: US/09/766,535A

TIME: 08:58:14

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01172002\I766535A.raw

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260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: PCR oligonucleotides
266 <400> SEQUENCE: 10
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269 <210> SEQ ID NO: 11
270 <211> LENGTH: 21
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: PCR oligonucleotides
278 <400> SEQUENCE: 11
279 atcgggacaa agttggaaat a 21
281 <210> SEQ ID NO: 12
282 <211> LENGTH: 16
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: PCR oligonucleotides
290 <400> SEQUENCE: 12
291 ggcggtcttg taccgg 16
293 <210> SEQ ID NO: 13
294 <211> LENGTH: 19
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: PCR oligonucleotides
302 <400> SEQUENCE: 13
303 gtcaacaaca tagtcatca 19
305 <210> SEQ ID NO: 14
306 <211> LENGTH: 23
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: PCR oligonucleotides
314 <400> SEQUENCE: 14
315 cacaggtgtg tccccaagga aaa 23
317 <210> SEQ ID NO: 15
318 <211> LENGTH: 18
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: PCR oligonucleotides
327 <400> SEQUENCE: 15
328 aatctggggt aggcacaa 18
330 <210> SEQ ID NO: 16
331 <211> LENGTH: 17
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/766,535A

DATE: 01/17/2002

TIME: 08:58:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01172002\I766535A.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application Number

OIPE

RAW SEQUENCE LISTING

DATE: 01/11/2002

PATENT APPLICATION: US/09/766,535A

TIME: 12:11:05

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\01112002\I766535A.raw

Does Not Comply
Corrected Diskette Needed

4 <110> APPLICANT: Le, Junming
 5 Vilcek, Jan
 6 Daddona, Peter
 7 Ghrayeb, John
 8 Knight, David M.
 9 Siegel, Scott
 11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
 12 Human Tumor Necrosis Factor
 W--> 15 <110> APPLICANT: Junming Le
 W--> 16 <110> APPLICANT: Junming Le
 W--> 22 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of
 W--> 23 Human Tumor Necrosis Factor
 26 <130> FILE REFERENCE: 0975.1005-010
 C--> 28 <140> CURRENT APPLICATION NUMBER: US/09/766,535A
 29 <141> CURRENT FILING DATE: 2001-01-18
 31 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119
 32 <151> PRIOR FILING DATE: 1998-08-12
 34 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674
 35 <151> PRIOR FILING DATE: 1995-12-11
 37 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799
 38 <151> PRIOR FILING DATE: 1994-10-18
 40 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102
 41 <151> PRIOR FILING DATE: 1994-02-04
 43 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861
 44 <151> PRIOR FILING DATE: 1994-02-04
 46 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093
 47 <151> PRIOR FILING DATE: 1994-02-04
 49 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406
 50 <151> PRIOR FILING DATE: 1993-01-29
 52 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413
 53 <151> PRIOR FILING DATE: 1993-02-02
 55 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852
 56 <151> PRIOR FILING DATE: 1992-09-11
 58 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606
 59 <151> PRIOR FILING DATE: 1992-03-18
 61 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827
 62 <151> PRIOR FILING DATE: 1991-03-18
 64 <160> NUMBER OF SEQ ID NOS: 19
 66 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 68 <210> SEQ ID NO: 1
 69 <211> LENGTH: 157
 70 <212> TYPE: PRT
 71 <213> ORGANISM: Homo sapiens
 73 <400> SEQUENCE: 1
 74 Val Arg Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
 75 1 5 10 15
 76 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg

delete
duplicate
entries

RAW SEQUENCE LISTING

DATE: 01/11/2002

PATENT APPLICATION: US/09/766,535A

TIME: 12:11:05

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\01112002\I766535A.raw

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77          20          25          30
78 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
79          35          40          45
80 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
81          50          55          60
82 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
83 65          70          75          80
84 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
85          85          90          95
86 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
87          100          105          110
88 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
89          115          120          125
90 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
91          130          135          140
92 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
93 145          150          155
96 <210> SEQ ID NO: 2
97 <211> LENGTH: 321
98 <212> TYPE: DNA
99 <213> ORGANISM: Mus Balb/c
101 <220> FEATURE:
102 <221> NAME/KEY: CDS
103 <222> LOCATION: (1)...(321)
105 <400> SEQUENCE: 2
106 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga      48
107 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
108 1          5          10          15
110 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc      96
111 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
112          20          25          30
114 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata      144
115 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
116          35          40          45
118 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc      192
119 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
120          50          55          60
122 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct      240
123 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
124 65          70          75          80
126 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc      288
127 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
128          85          90          95
130 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa      321
131 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
132          100          105
135 <210> SEQ ID NO: 3
136 <211> LENGTH: 107
137 <212> TYPE: PRT

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RAW SEQUENCE LISTING

DATE: 01/11/2002

PATENT APPLICATION: US/09/766,535A

TIME: 12:11:05

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\01112002\I766535A.raw

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138 <213> ORGANISM: Mus Balb/c
140 <400> SEQUENCE: 3
141 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
142 1 5 10 15
143 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
144 20 25 30
145 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
146 35 40 45
147 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
148 50 55 60
149 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
150 65 70 75 80
151 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
152 85 90 95
153 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
154 100 105
157 <210> SEQ ID NO: 4
158 <211> LENGTH: 357
159 <212> TYPE: DNA
160 <213> ORGANISM: Mus Balb/c
162 <220> FEATURE:
163 <221> NAME/KEY: CDS
164 <222> LOCATION: (1)...(357)
166 <400> SEQUENCE: 4
167 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
168 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
169 1 5 10 15
171 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
172 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
173 20 25 30
175 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
176 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
177 35 40 45
179 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
180 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
181 50 55 60
183 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
184 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
185 65 70 75 80
188 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
189 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
190 85 90 95
192 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
193 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
194 100 105 110
196 ggc acc act ctc aca gtc tcc 357
197 Gly Thr Thr Leu Thr Val Ser
198 115
201 <210> SEQ ID NO: 5

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RAW SEQUENCE LISTING

DATE: 01/11/2002

PATENT APPLICATION: US/09/766,535A

TIME: 12:11:06

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\01112002\I766535A.raw

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202 <211> LENGTH: 119
203 <212> TYPE: PRT
204 <213> ORGANISM: Mus Balb/c
206 <400> SEQUENCE: 5
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208 1 5 10 15
209 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
210 20 25 30
211 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
212 35 40 45
213 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
214 50 55 60
215 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
216 65 70 75 80
217 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
218 85 90 95
219 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
220 100 105 110
221 Gly Thr Thr Leu Thr Val Ser
222 115
225 <210> SEQ ID NO: 6
226 <211> LENGTH: 8
227 <212> TYPE: PRT
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 6
231 Gly Thr Leu Val Thr Val Ser Ser
232 1 5
235 <210> SEQ ID NO: 7
236 <211> LENGTH: 7
237 <212> TYPE: PRT
238 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 7
241 Gly Thr Lys Leu Glu Ile Lys
242 1 5
245 <210> SEQ ID NO: 8
246 <211> LENGTH: 20
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: PCR oligonucleotides
254 <400> SEQUENCE: 8
255 cctggataacc tgtgaaaaga
257 <210> SEQ ID NO: 9
258 <211> LENGTH: 27
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: PCR oligonucleotides
266 <400> SEQUENCE: 9

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20

RAW SEQUENCE LISTING

DATE: 01/11/2002

PATENT APPLICATION: US/09/766,535A

TIME: 12:11:06

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\01112002\I766535A.raw

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267 cctggtacct tagtcaccgt ctcctca                27
269 <210> SEQ ID NO: 10
270 <211> LENGTH: 27
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: PCR oligonucleotides
278 <400> SEQUENCE: 10
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283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: PCR oligonucleotides
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295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: PCR oligonucleotides
302 <400> SEQUENCE: 12
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307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: PCR oligonucleotides
314 <400> SEQUENCE: 13
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317 <210> SEQ ID NO: 14
318 <211> LENGTH: 23
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: PCR oligonucleotides
326 <400> SEQUENCE: 14
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329 <210> SEQ ID NO: 15
330 <211> LENGTH: 18
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: PCR oligonucleotides
339 <400> SEQUENCE: 15
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VERIFICATION SUMMARY

DATE: 01/11/2002

PATENT APPLICATION: US/09/766,535A

TIME: 12:11:07

Input Set : A:\0975.1005-010SEQLIST.txt

Output Set: N:\CRF3\01112002\I766535A.raw

L:15 M:280 W: Numeric Identifier already exists, <110> found multiple times
L:15 M:281 W: Numeric Fields not Ordered, <110> not ordered!.
L:22 M:280 W: Numeric Identifier already exists, <120> found multiple times
L:28 M:270 C: Current Application Number differs, Replaced Current Application Number